

WHAT IS CLAIMED IS:

1. A self contained living environment comprising:
  - a living environment structure, the living environment structure including a tent material defining an interior space and a frame provided on the exterior of the tent material to support the tent material; and
  - an air purification system coupled to the living environment structure so as to provide filtered air into the interior space.
2. The self contained living environment according to claim 1, wherein an exterior surface of the tent material includes loops, the loops being coupled to the frame.
3. The self contained living environment according to claim 2, wherein the frame includes upright members and at the upright members are pre-inserted into the loops.
4. The self contained living environment according to claim 2, wherein the frame includes top cross-members and at the top cross-members are pre-inserted into the loops.
5. The self contained living environment according to claim 1, wherein the frame and the tent material are modular.
6. The self contained living environment according to claim 1, wherein the tent material includes an opening for ingress to and egress from the interior space.
7. The self contained living environment according to claim 6, wherein the opening opened and closed with a zipper.
8. The self contained living environment according to claim 6, wherein the opening is a roll-up flap.
9. The self contained living environment according to claim 1, wherein the tent material has an oxygen transmission rate and a water vapor transmission rate effective to prevent chemical and biological agents from entering the interior space through the tent material.

10. The self contained living environment according to claim 9, wherein the tent material is preferably a clear plastic material.

11. The self contained living environment according to claim 1, wherein the air purification system is a positive pressure system which filters air from outside the interior space and supplies the filtered air to the interior space.

12. The self contained living environment according to claim 1, wherein the air purification system is a negative pressure system which filters both air from inside the interior space and air from outside the interior space, and supplies the filtered air to the interior space.

13. The self contained living environment according to claim 1, wherein the air purification system includes a three stage filter that works by trapping and sterilizing biological and chemical agents

14. The self contained living environment according to claim 13, wherein the three stage filter includes a carbon filtration media portion, a HEPA Filter portion, and a UV-C germicidal filter portion.

15. The self contained living environment according to claim 14, wherein gases, chemicals, odors and fumes are filtered through the carbon filtration media portion.

16. The self contained living environment according to claim 15, wherein the carbon filtration media portion is nuclear grade activated carbon.

17. The self contained living environment according to claim 14, wherein the HEPA Filter portion is at least 99.97% efficient in trapping particles down to at least 0.3 microns in size.

18. The self contained living environment according to claim 17, wherein the HEPA Filter portion is effective at removing solid as well as liquid particles.

19. The self contained living environment according to claim 14, wherein the UV-C germicidal filter portion comprises a UV lamp which kills pathogens after a predetermined amount of exposure time.

20. The self contained living environment according to claim 19, wherein the UV-C filter portion is a four lamp system rated to supply over 150,000 microwatts/cm<sup>2</sup> at a fan speed of 100 cfm.

21. The self contained living environment according to claim 13, wherein the air purification system further includes at least one anti-microbial filter and a pre-filter.

22. The self contained living environment according to claim 1, wherein the tent material has at least one opening which operates as a one-way vent and cooperates with the air purification system for air release so that a positive pressure can be maintained within the interior space.

23. The self contained living environment according to claim 22, wherein the tent material is provided with four one-inch openings at the top four corners of the structure.

24. A self contained living environment comprising:

a living environment structure comprising:

    a tent material having an exterior surface with a plurality of loops attached thereto, the tent material defining an interior space; and

    a plurality of frame members, each frame member coupled to the tent material by a respective loop of the plurality of loops so as to support the tent material exterior to the interior space; and

    an air purification system coupled to the living environment structure so as to provide filtered air into the interior space,

    wherein the tent material has an oxygen transmission rate and a water vapor transmission rate effective to prevent chemical and biological agents from entering the interior space through the tent material.

25. The self contained living environment according to claim 24, wherein the tent material includes an opening for ingress to and egress from the interior space.

26. The self contained living environment according to claim 24, wherein the air purification system is a positive pressure system which filters air from outside the interior space and supplies the filtered air to the interior space.

27. The self contained living environment according to claim 26, wherein the tent material has at least one opening which operates as a one-way vent and cooperates with the air purification system for air release so that a positive pressure can be maintained within the interior space.

28. The self contained living environment according to claim 24, wherein the air purification system is a negative pressure system which filters both air from inside the interior space and air from outside the interior space, and supplies the filtered air to the interior space.

29. The self contained living environment according to claim 24, wherein the air purification system includes a three stage filter that works by trapping and sterilizing biological and chemical agents

30. The self contained living environment according to claim 29, wherein the three stage filter includes a carbon filtration media portion, a HEPA Filter portion, and a UV-C germicidal filter portion.